

Automated filopodia analysis software

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 An abbreviated version of this protocol was published in eLIFE in Jul 2018

Wnt/PCP controls spreading of Wnt/ β -catenin signals by cytonemes in vertebrates

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Detailed protocol

We created a [github repository](#) that provides all sources for the semi-automatic 2D and 3D filopodia segmentation. Detailed instructions on how to use the software step-by-step analogous to the analyses described in the paper can be found directly in the readme file on the landing page. The repository also contains a few test images that allow you to directly run the software and to learn how to use it. Moreover, we provide a compiled binary version for Windows that can be executed independently of a separate MATLAB installation.

How to cite: (Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used)

1. Stegmaier, J. (2021). Automated filopodia analysis software. Bio-protocol Preprint. bio-protocol.org/prep919.
2. Mattes, B., Dang, Y., Greicius, G., Kaufmann, L. T., Prunsche, B., Rosenbauer, J., Stegmaier, J., Mikut, R., Özbek, S., Nienhaus, G. U., Schug, A., Virshup, D. M. and Scholpp, S. (2018). Wnt/PCP controls spreading of Wnt/ β -catenin signals by cytonemes in vertebrates. eLIFE. DOI: [10.7554/eLife.36953](https://doi.org/10.7554/eLife.36953)

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